

14

Den. Den.

ENTERED



1600

RAW SEQUENCE LISTING

DATE: 05/16/2003

PATENT APPLICATION: US/10/007,790

TIME: 07:21:47

Input Set : N:\Crf3\RULE60\10007790.raw.txt

Output Set: N:\CRF4\05162003\J007790.raw

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1 <110> APPLICANT: Medical & Biological Laboratories Co., Ltd.
2 <120> TITLE OF INVENTION: Monoclonal Antibody Specific for
3   Phosphatidylinositol-3,4,5-Triphosphate
4 <130> FILE REFERENCE: M3-008-US
5 <140> CURRENT APPLICATION NUMBER: US/10/007,790
6 <141> CURRENT FILING DATE: 2001-11-13
7 <150> PRIOR APPLICATION NUMBER: US/09/257,069
8 <151> PRIOR FILING DATE: 1999-02-24
9 <150> PRIOR APPLICATION NUMBER: JP 1998-252921
10 <151> PRIOR FILING DATE: 1998-09-07
11 <160> NUMBER OF SEQ ID NOS: 10
12 <170> SOFTWARE: PatentIn Ver. 2.0
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 372
16 <212> TYPE: DNA
17 <213> ORGANISM: Mus musculus
18 <220> FEATURE:
19 <221> NAME/KEY: CDS
20 <222> LOCATION: (1)..(372)
21 <400> SEQUENCE: 1
22   gag gtc cag ctg cag cag tct gga cct gag gta gtg aag act ggg gct   48
23   Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Val Val Lys Thr Gly Ala
24   1           5           10           15
25   tca gtg aag ata tcc tgc aag got tct ggt tac tca ttc act ggt tac   96
26   Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
27   20           25           30
28   tac atg cac tgg gtc aag cag agc cat gga aag agc ctt gag tgg att   144
29   Tyr Met His Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile
30   35           40           45
31   gga tat att agt tgt tac aat gct gct act agg tac aac cag aag ttc   192
32   Gly Tyr Ile Ser Cys Tyr Asn Ala Ala Thr Arg Tyr Asn Gln Lys Phe
33   50           55           60
34   aag ggc aag gcc aca ttt act gta gac aca tcc tcc agc aca gcc tac   240
35   Lys Gly Lys Ala Thr Phe Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr
36   65           70           75           80
37   atg cag ttc aac agc ctg aca tct gaa gac tct gcg gtc tat tac tgt   288
38   Met Gln Phe Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
39   85           90           95
40   gca aga tca ggg gcc tac tat agg tac gga gtt gtt tac tgg ggc caa   336
41   Ala Arg Ser Gly Ala Tyr Tyr Arg Tyr Gly Val Val Tyr Trp Gly Gln
42   100          105          110
43   ggg act ctg gtc act gtc tct gca gct aca aca aca   372
44   Gly Thr Leu Val Thr Val Ser Ala Ala Thr Thr Thr

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47 <210> SEQ ID NO: 2
48 <211> LENGTH: 124
49 <212> TYPE: PRT
50 <213> ORGANISM: Mus musculus
51 <400> SEQUENCE: 2
52   Glu Val Gln Leu Gln Gln Ser Gly Pro Glu Val Val Lys Thr Gly Ala
53     1          5          10          15
54   Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr
55           20          25          30
56   Tyr Met His Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp Ile
57       35          40          45
58   Gly Tyr Ile Ser Cys Tyr Asn Ala Ala Thr Arg Tyr Asn Gln Lys Phe
59       50          55          60
60   Lys Gly Lys Ala Thr Phe Thr Val Asp Thr Ser Ser Ser Thr Ala Tyr
61       65          70          75          80
62   Met Gln Phe Asn Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
63           85          90          95
64   Ala Arg Ser Gly Ala Tyr Tyr Arg Tyr Gly Val Val Tyr Trp Gly Gln
65       100          105          110
66   Gly Thr Leu Val Thr Val Ser Ala Ala Thr Thr Thr
67       115          120
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70 <211> LENGTH: 321
71 <212> TYPE: DNA
72 <213> ORGANISM: Mus musculus
73 <220> FEATURE:
74 <221> NAME/KEY: CDS
75 <222> LOCATION: (1)..(321)
76 <400> SEQUENCE: 3
77   gac atc cag atg act cag tct cca gcc tcc cta tct gca tct gtg gga 48
78   Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly
79     1          5          10          15
80   gaa act gtc acc atc aca tgt cga gca agt gag aat att tac agt tat 96
81   Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asn Ile Tyr Ser Tyr
82           20          25          30
83   tta cca tgg tat cag cag aat cag gga aaa tct cct cag ctc ctg gtc 144
84   Leu Pro Trp Tyr Gln Gln Asn Gln Gly Lys Ser Pro Gln Leu Leu Val
85       35          40          45
86   tat aat gca aaa acc tta aca gaa ggt gtg cca tca agg ttc agt ggc 192
87   Tyr Asn Ala Lys Thr Leu Thr Glu Gly Val Pro Ser Arg Phe Ser Gly
88       50          55          60
89   agt gga tca ggc aca cag ttt tct ctg aag atc aac agc ctg cag cct 240
90   Ser Gly Ser Gly Thr Gln Phe Ser Leu Lys Ile Asn Ser Leu Gln Pro
91       65          70          75          80
92   gaa gat ttt ggg agt tat tac tgt caa cat cat tat ggt act ccg tac 288
93   Glu Asp Phe Gly Ser Tyr Tyr Cys Gln His His Tyr Gly Thr Pro Tyr
94           85          90          95
95   acg ttc gga ggg ggg acc aag ctg gaa ata aaa 321

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96      Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
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101 <212> TYPE: PRT
102 <213> ORGANISM: Mus musculus
103 <400> SEQUENCE: 4
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105              1          5              10              15
106      Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asn Ile Tyr Ser Tyr
107              20              25              30
108      Leu Pro Trp Tyr Gln Gln Asn Gln Gly Lys Ser Pro Gln Leu Leu Val
109              35              40              45
110      Tyr Asn Ala Lys Thr Leu Thr Glu Gly Val Pro Ser Arg Phe Ser Gly
111              50              55              60
112      Ser Gly Ser Gly Thr Gln Phe Ser Leu Lys Ile Asn Ser Leu Gln Pro
113              65              70              75              80
114      Glu Asp Phe Gly Ser Tyr Tyr Cys Gln His His Tyr Gly Thr Pro Tyr
115              85              90              95
116      Thr Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
117              100              105
119 <210> SEQ ID NO: 5
120 <211> LENGTH: 7
121 <212> TYPE: PRT
122 <213> ORGANISM: Mus musculus
123 <400> SEQUENCE: 5
124      Gly Tyr Ser Phe Thr Gly Tyr
125              1          5
127 <210> SEQ ID NO: 6
128 <211> LENGTH: 5
129 <212> TYPE: PRT
130 <213> ORGANISM: Mus musculus
131 <400> SEQUENCE: 6
132      Ser Cys Tyr Asn Ala
133              1          5
135 <210> SEQ ID NO: 7
136 <211> LENGTH: 11
137 <212> TYPE: PRT
138 <213> ORGANISM: Mus musculus
139 <400> SEQUENCE: 7
140      Ser Gly Ala Tyr Tyr Arg Tyr Gly Val Val Tyr
141              1          5              10
143 <210> SEQ ID NO: 8
144 <211> LENGTH: 11
145 <212> TYPE: PRT
146 <213> ORGANISM: Mus musculus
147 <400> SEQUENCE: 8
148      Arg Ala Ser Glu Asn Ile Tyr Ser Tyr Leu Pro
149              1          5              10

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Input Set : N:\Cr3\RULE60\10007790.raw.txt

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151 <210> SEQ ID NO: 9
152 <211> LENGTH: 7
153 <212> TYPE: PRT
154 <213> ORGANISM: Mus musculus
155 <400> SEQUENCE: 9
156      Asn Ala Lys Thr Leu Thr Glu
157      1                      5
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 9
161 <212> TYPE: PRT
162 <213> ORGANISM: Mus musculus
163 <400> SEQUENCE: 10
164      Gln His His Tyr Gly Thr Pro Tyr Thr
165      1                      5
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VERIFICATION SUMMARY

DATE: 05/16/2003

PATENT APPLICATION: US/10/007,790

TIME: 07:21:48

Input Set : N:\Crf3\RULE60\10007790.raw.txt

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